

Creating A Cleaner Energy Future For the Commonwealth



Community Clean Energy Resiliency Initiative

Project Implementation Application

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Community Clean Energy Resiliency Initiative

The highlights:

- \$40 million municipal grant program
- Energy resiliency at critical facilities using clean energy technology
- All Massachusetts municipalities are eligible
- Applications available for Technical Assistance or Project Implementation



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Eligible Applicants

All Massachusetts municipalities are eligible:

- Single municipality
- Joint applications by multiple municipalities
- Regional Planning Agencies
- Regional districts (water, school, sewerage, etc)
- Partnerships



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Eligible Critical Facilities

Critical facilities = “buildings or structures where loss of electrical service would result in disruption of a critical public safety life sustaining function”



Critical facilities may include:

1. Life safety resources
2. Lifeline resources
3. Community resources



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Eligible Clean Energy Technologies



- Clean energy generation
- Energy storage
- Energy management systems
- Technology used for DG operation in island mode
- Single building facilities or microgrids



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Application Types

Technical Assistance (TA) Application

- Available at no cost to awarded applicants
- Expecting to offer between 40 and 80 awards
- Consulting team will provide these services
- Awarded applicants have the opportunity to use the resulting plan to apply for a follow-up round of project implementation funding.



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Application Types

Project Implementation (PI) Applications

- Projects must meet the following criteria:
 - use eligible clean energy technologies;
 - be sited at eligible critical facilities;
 - demonstrate strategic electric isolation of critical loads from non-critical building loads to effectively extend resiliency capability;
 - be able to operate in parallel with the grid during "blue sky" days and island and operate in isolation from the grid during a broader grid outage;
 - meet utility interconnection strategy guidelines; and
 - follow the Initiative funding guidelines.
- Projects may be retrofit or new install



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Funding Guidelines

The highlights:

- Fully utilize and account for other available resources
- Minimum 10% cost share
- Up to \$20 million in the first round
- Remaining \$20 million available in the second round to:
 - Follow-on round TA applicants (moving to PI Applications)
 - Un-funded first round PI Application projects



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Funding Guidelines

- Initiative funding will cover the following costs:
 - system design and engineering costs;
 - clean energy generation (electric and thermal) and storage costs that are not covered by other incentives;
 - clean energy equipment that provides for resiliency;
 - interconnection costs related to resiliency equipment;
 - installation costs;
 - administrative costs (not to exceed 10% of total costs); and
 - other costs as deemed appropriate by DOER.



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Funding Guidelines

- Initiative funding will NOT cover the following costs:
 - the portion of the cost of clean energy equipment that is already financially incentivized by other state, federal, utility, non-profit or private programs;
 - project costs at non-critical facilities;
 - conventional energy generation, such as diesel generators;
 - non-energy related infrastructure and capital costs; and
 - other costs deemed inappropriate by DOER.



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Funding Guidelines

- MAXIMUM** grant funding calculated based on a relative per capita income and population multiplier
- Subject to an **overall upper limit of \$5 million**.
- The **MAXIMUM** grant award calculation is:
 - \$125,000, plus
 - A municipality specific adder, plus
 - 10% for interconnection costs, plus
 - 10% for administrative costs.



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Funding Guidelines

An example, given MA state median per capita income of \$29,927

- Municipality inputs:
 - Median per capita income = \$25,000
 - Population = 100,000
- Award:
 - \$1,586,496

Calculated as follows:

$$\begin{aligned}
 \text{Base} &\rightarrow \$125,000 + \\
 \text{Adder} &\rightarrow (\$10 \times 100,000 \times \$29,927 / \$25,000) + \\
 \text{Interconnection} &\rightarrow (10\% \times (\$125,000 + (\$10 \times 100,000 \times \$29,927 / \$25,000))) + \\
 \text{Administrative} &\rightarrow (10\% \times (\$125,000 + (\$10 \times 100,000 \times \$29,927 / \$25,000))) \\
 &= \$1,586,496
 \end{aligned}$$



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Sample Projects

1. Single facility, electrical: A municipal fire house
2. Single facility, thermal: School serving as community shelter during an emergency
3. Multiple facilities: Waste water treatment plant (WWTP) and a municipal police station
4. Microgrid: Health services and shelter microgrid project



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The Application

- General Applicant Information
- Municipality Information
- General Project Information
- Critical Facility Building Information
- Critical Facility Energy Information
- Further Documentation and Background Information
- Specific Project Information
- Budget Form



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Program Timeline – PI Application

DOER issues PON	May 15, 2014
Deadline for submitting PI Application questions	July 7, 2014
FINAL ROUND 1 PI APPLICATION DEADLINE	July 15, 2014
Round 1 PI Application awards announced (subject to change)	August 15, 2014
FINAL ROUND 2 PI APPLICATION DEADLINE	October 15, 2014
Final Round 2 PI A awards announced (subject to change)	November 15, 2014



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Evaluation Criteria



The highlights:

- Geographic diversity
- Proposal content
- Proposal finances
- Proposal technical details



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Submission

- Incomplete applications will not be accepted.
- Submit via email to Amy McGuire at Amy.McGuire@state.ma.us.
- Round 1 PI Applications due 5:00 p.m. on July 15, 2014
- This application information is available at: www.commbuys.com as PON-ENE-2014-036.



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Questions?



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Thank you

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<http://www.mass.gov/eea/energy-utilities-clean-tech/renewable-energy/resiliency-initiative.html>

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